Notice of Allowability	Application No.	Applicant(s)	
	10/643,934	LEE ET AL.	
	Examiner	Art Unit	
		0074	
	Thoi V. Duong	2871	· · · · · · · · · · · · · · · · · · ·
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commits in IGHTS. This application is	n this application. If not included unication will be mailed in due cours	
1. X This communication is responsive to the amendment filed	October 12, 2006.		
2. ☑ The allowed claim(s) jø/are <u>1-26</u> .			
3. Acknowledgment is made of a claim for foreign priority up	nder 35 U.S.C. § 119(a)-(d)	or (f).	
a) ⊠ All b) ☐ Some* c) ☐ None of the:			
1. Certified copies of the priority documents have	e been received.		
2. Certified copies of the priority documents have	e been received in Applicati	on No	
3. ☐ Copies of the certified copies of the priority do			om the
International Bureau (PCT Rule 17.2(a)).		•	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requiren	nents
4. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.	`	
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Revie	w (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date	_		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t) of
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			he
		·	
Attachment(s)			
1. Notice of References Cited (PTO-892)		nformal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
3. Information Disclosure Statements (PTO/SB/08),		./Mail Date s Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's	Statement of Reasons for Allowand	e
of Biological Material	9.	<u>_</u> .	

Application/Control Number: 10/643,934

Art Unit: 2871

DETAILED ACTION

1. This office action is in response to the Amendment filed October 12, 2006.

Accordingly, claims 1, 4, 14 and 17 were amended, and claims 27-52 were cancelled. Currently, claims 1-26 are pending in this application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the title: change the title as "Liquid crystal display device comprising a plurality of spacers having compression ratios gradually increasing as advancing from a center to left and right edges of display region."

Allowable Subject Matter

3. Claims 1-26 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record fairly suggests or shows all of the limitations as claimed. Specifically,

Re claims 1 and 14, none of the prior art of record discloses, in combination with other limitations as claimed, a liquid crystal display device comprising a plurality of spacers formed in the display region, wherein compression ratios of the spacers gradually increase as advancing from a center to left and right edges of the display

Application/Control Number: 10/643,934

Art Unit: 2871

region, wherein the compression ratio of each spacer is a height reduction of the spacer by compression divided by an original height of the spacer.

The most relevant reference, US 6,184,967 B1 to Lagerwall et al. (Lagerwall), fails to disclose or suggest the claimed invention. As shown in Figs. 2, 3A and 4, Lagerwall discloses a liquid crystal display device comprising a plurality of spacers 11 formed in the display region, wherein compression ratios of the spacers are formulated in order to obtain a pressure-insensitive display, wherein the compression ratio of each spacer is a height reduction of the spacer "Delta h" by compression divided by an original height h of the spacer (col. 4, lines 38-67). However, Lagerwall does not suggest that the compression ratios of the spacers gradually increase as advancing from a center to left and right edges of the display region.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

Application/Control Number: 10/643,934

Art Unit: 2871

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms, can be reached at (571) 272-1787.

Theusenslowing

Thoi V. Duong

02/28/2007